

Notice of Allowability

Application No.

10/524,804

Examiner

Debra Wolfe

Applicant(s)

SHIN ET AL.

Art Unit

3725

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed December 12, 2005.
2. ☒ The allowed claim(s) is/are 1-8.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 04/14/2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


Lowell A. Larson
Primary Examiner



NOTICE OF ALLOWABILITY

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mark Murphy on September 21, 2006.

The application has been amended as follows:

1. Please delete "any one of claims 1 to 3" and insert --claim 2-- in line 1 of claim 4
2. Please delete "any one of claims 1 to 4" and insert --claim 2-- in line 1 of claim 5
3. Please delete "or 4" in line 1 of claim 6

Reasons for Allowance

The following is an examiner's statement of reasons for allowance.

1. It is the opinion of the examiner that the art of record (considered as a whole) neither anticipates nor renders obvious "an elevating plate fixed to a lower end surface of an outer slide so as to oppose to a lower surface of an inner slide, a first hydraulic cylinder provided in an upper surface portion of the elevating plate and contracted by a pressing force at a time when the inner slide moves downward and a second hydraulic cylinder interposed between the outer slide and the drive portion and expanded working with a pressure of a pressurized fluid supplied from



the first hydraulic at a time when the first hydraulic cylinder is contracted by the pressing force of the inner slide, thereby pressing the outer slide to a lower side" in combination with the rest of the claimed limitations set forth in independent claim 1.

Further searching by the examiner yielded additional prior art as follows:

2. Shinoda et al (U.S. Patent # 6,520,075) discloses a double action hydraulic press comprising of an inner slide (6) and an outer slide (4), an elevating plate (die plate 5) fixed to a lower end surface of the outer slide (4), an upper die and a lower die (not shown), a first hydraulic cylinder (9) mounted on the upper surface of the inner slide (6) that is expanded by the downward movement of the inner slide (6), and a second hydraulic cylinder (8) mounted on the outer slide (4) and expanded with the downward movement of the outer slide (4). Shinoda et al further discloses push pins (13) that provides a downward force onto the upper die (not shown) as the inner slide is moved.

3. However the above cited prior art fails to disclose first and second hydraulic cylinder wherein the second hydraulic cylinder is expanded by a pressure of a pressurized fluid supplied from the first hydraulic cylinder at a time when the first hydraulic cylinder is contracted by the pressing force of the inner slide. Therefore, it is concluded that claim 1 of the present invention is allowable subject matter over the prior art. Claims 1-8 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."



Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Debra Wolfe whose telephone number is (571) 272-1904. The examiner can normally be reached Monday - Thursday 6am - 3:30pm with alternating Friday 6am - 2:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Derris Banks can be reached at (571) 272-4419. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read "Lowell A. Larson", is written over a horizontal line. The signature is stylized with large loops and a long horizontal stroke at the end.

Lowell A. Larson
Primary Examiner

Debra Wolfe
Examiner
Art Unit 3725